



schematic diagrams

diff for some of these steps you reach the limit of one trimmer, you can solve the problem by using the corresponding Gen A trimmers 1or 2, repeating of the three steps;

if the problem is on T4, T6, T8 then you can use the trimmer T1 which is situated on the board n° 5801 which is on the small panel close to the joystick.

The trimmer T1 sets the centering of DETUNE.
The trimmer T2 sets the centering of MASTER TUNE.
The trimmer T3 sets the end value tune of BEND +
The trimmer T5 sets the end value tune of BEND -

STEP-1 STARTING SETTINGS

joystick panel:

sliders BEND to osc = 10
all the other sliders = 0
upper/lower/both selector = BOTH

panel settings:

DOUBLE = OFF
SPLIT = OFF
PANEL = ON

TUNING

MASTER TUNE = 0
DETUNE = 0
OSC 2 SYNC = OFF

OSCILLATOR 1

OCTAVE = 4'
TRANSPOSE = 0
WAVEFORM = ramp (sawtooth)
VOLUME = 10

OSCILLATOR 2

OCTAVE = 4
TRANSPOSE = 0
WAVEFORM = ramp
VOLUME = 10

FILTER

FREQUENCY = 10
ENVELOPE = 0
RESONANCE = 0
KEYBOARD = 0
Filter Modes = LP

CHORUS

OFF

GLIDE / PORTAMENTO

all OFF

LFO ROUTING

all OFF

NOISE GENERATOR

all OFF

STEP - 2: CALIBRATION OF GEN B: OSC-2 REFERRING TO GEN A: OSC-1

- 1) Enable HOLD
- 2) Press the C4 key (you could use any other key, but it's necessary that the frequency is high in order to better hear to the beats)
- 3) Bring and hold the joystick to the maximum BEND + value
- 4) Reduce the beats as much as you can by means of trimmer T3
- 5) Bring and hold the joystick to the maximum BEND - value
- 6) Reduce the beats as much as possible by means of trimmer T4
- 7) Repeat from instruction 3) to instruction 6) till the beat is the least through all the joystick range
- 8) Disable HOLD

STEP - 3: CALIBRATION OF GEN C: OSC-1L REFERRING TO GEN A: OSC-1U

- 1) Set OSC 2 VOLUME = 0
- 2) Enable HOLD
- 3) Enable DOUBLE
- 4) Enable LOWER
- 5) Select PANEL (make sure that HOLD is enabled)
- 6) Press the C4 key
- 7) Bring and hold the joystick to the maximum BEND + value
- 8) Reduce the beats as much as you can by means of trimmer T5
- 9) Bring and hold the joystick to the maximum BEND - value
- 10) Reduce the beats as much as possible by means of trimmer T6
- 11) Repeat from instruction 7) to instruction 10) until the beat is the least through all the joystick range

STEP - 4: CALIBRATION OF GEN D: OSC-2L REFERRING TO GEN A: OSC-1U

LOWER is enabled since STEP-2

- 1) Set the OSC-1 VOLUME to 0
- 2) Set the OSC-2 VOLUME to 10
- 3) Bring and hold the joystick to the maximum BEND + value
- 4) Reduce the beats as much as you can by means of trimmer T5
- 5) Bring and hold the joystick to the maximum BEND - value
- 6) Reduce the beats as much as possible by means of trimmer T6
- 7) Repeat from instruction 3) to instruction 6) until the beat is the least through all the joystick range

(Now see the BMP file we're enclosing)